PTO-1449 (Modified)	ATTY. DOCKET NO. 004842.00004	SERIAL NUMBER
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	APPLICANT J. Douglas Birdwell	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE Herowith 01/30/2004	GROUP ART UNIT

U.S. PATENT DOCUMENTS

			3. I AI DITI DOCUMENTO			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
NKA	6,490,582	12/3/02	Fayyad et al.			
NKA	6,134,541	10/17/00	Castelli et al.			
NKA	6,122,628	9/19/00	Castelli et al.			
NKA	6,100,901	8/8/00	Mohda et al.			
NKA	6,026,397	2/15/00	Sheppard			
NKA	5,926,812	7/20/99	Hilsenrath et al.			
NKA	5,884,320	3/16/99	Agrawal et al.			
NKA	5,761,685	6/2/98	Hutson			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

NKA	Juha Karhunen et al., "Locally Linear Independent component analysis", International Joint Conference on Neural Networks, 1999, Vol. 2, Pages 882-887
	Cormen, Thomas H., Charles E. Leiserson, and Ronald L. Rivest, Introduction to Algorithms, MIT Press (Cambridge, MA) / McGraw-Hill (New York). 1990
	Guttman, A., R trees: a dynamic index structure for spatial searching, ACM, 1984, 47-57
	Sellis, T., et. al., The R*-tree: a dynamic index for multi-dimensional objects, Tech. Rept. UMI-ACS TR 87 3, CS TR 1975, University of Maryland, Feb. 1987, 1-24
	Message Passing Interface Forum, MPI: A Message-Passing Interface Standard, version 1.1, June, 1995. Also at <a href="http://www-unix.mes.anl.gov/mpi/and">http://www.mpi-forum.org/docs/mpi-11-html/mpi-report.html</a>
	Universal Data Option for Informix Dynamic Server, version 9.14 for Windows NT and UNIX. Also at <a href="http://www.informix.com/informix/techbriefs/udo/udo.pdf">http://www.informix.com/informix/techbriefs/udo/udo.pdf</a>
	Geist, A., A. Begnelin, J. Dongarra, W. Jiang, R. Manchek, V. Sunderam, PVM: Parallel Virtual Machine: A Users' Guide and Tutorial for Networked Parallel Computing. MIT Press. 1994
V	Beowulf Project at CESDIR, http://cesdis1.gsfc.nasa.gov/linux/beowulf/, Center of Excellence in Space Data and Information Sciences, NASA Goddard Space Flight Center. 1998
NKA	Strang, G., Linear Algebra and its Applications, 2nd ed., Academic Press, New York, 1980

EXAMINER	/Navneet K Ahluwalia/	DATE CONSIDERED	07/21/2006

EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.

			·		Sheet	_2_of_3_	
	PTO-1449 (Modified)		ATTY. DOCKET NO. 004872.00004	SERIAL N	UMBER		
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT J. Douglas Birdwell et al.	APPLICANT				
INFORMA	FION DISCLOSURE S BY APPLICANT	<b>TATEMENT</b>	FILING DATE Herewith	GROUP A	GROUP ART UNIT		
		υ.	S. PATENT DOCUMENTS		<b>y</b>		
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE	
NKA	5,559,940	9/24/96	Hutson				
NKA	5,442,562	8/15/95	Hopkins et al.				
NKA	5,325,466	6/28/94	Komacker				
NKA	(1) 6,598,054	7/22/03	Schuetze et al.				
NKA	(2) 5,813,005	9/22/98	Tsuchida et al.				
		FOR	EIGN PATENT DOCUMENTS		<u> </u>	1	
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATIO YES/NO	

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	Budowle, Bruce and Tamyra R. Moretti, "Genotype profiles for six population groups at the 13 CODIS short tandem repeat		
NKA	core loci and other PCR based loci," Forensic Science Communications, FBI Laboratory Division Publication 99-06, U. S.		
	Department of Justice, Federal Bureau of Investigation. July 1999, V. 1, n. 2		
	CODIS 5.1 GDIS Searching Specification (Draft), U.S. Department of Justice Federal Bureau of Investigation. July 23, 199		
	Quinlan, J.R., Induction of decision trees, Machine Learning 1:81-106, 1986		
	Berry, Michael W., Zlatko Drmac, and Elizabeth R. Jessup, "Matrices, vector spaces, and information retrieval," SIAM Review 41:335-362, 1999		
	Message Passing Interface Forum, MPI-2: Extensions to the Message-Passing Interface, July 18, 1997. Also at		
http://www.mpi-forum.org/docs/mpi-20-html/mpi2-report.html			
	(3) Thomas E. Anderson et al., "A Case for NOW (Networks of Workstations)", IEEE, 1995, Pages 54-64		
	(4) Brian Tierney et al., "NetLogger: A Toolkit for Distributed System Performance Tuning and Debugging", December 10, 2002, Pages 1-8		
	(5) Rajkumar Buyya et al., "GARDMON: A Java-based Monitoring Tool for Gardens Non-dedicated Cluster Computing System", 1999, Page 1-7		
	(6) Henri Casanova et al., "NetSolve: A Network Server for Solving Computational Science Problems", April 26, 1996, Page 1-14		
$\overline{\mathbb{V}}$	(7) Luiz De Rose et al., "An Approach to Immersive Performance Visualization of Parallel and Wide-Area Distributed Applications", 1999, 8 Pages		
NKA	(8) The Falcon Monitoring and Steering System, printed from <a href="http://www.cc.gatech.edu/systems/projects/FALCON/">http://www.cc.gatech.edu/systems/projects/FALCON/</a> printed on 1/29/04, 3 Pages		

EXAMINER	/Navneet K Ahluwalia/	DATE CONSIDERED	07/21/2006
	tial citation if reference was considered. Draw lin his form with next communication to applicant.	e through citation if not in co	onformance to MPEP 609 and not considered.

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	tial citation if reference was considered. Draw line	e through citation if not in c	onformance to MPEP 609 and not considered.

Report TR-CS96-494, January 7, 1998, Pages 1-35

NKA

PTO/SB/08a (08-03)

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet of 1

	Complete If Known	•
Application Number	10/767,776	
Filing Date	January 30, 2004	
First Named Inventor	John D. BIRDWELL et al.	
Art Unit	2177	
Examiner Name	TBA	
Attorney Docket Number	004842.00004	

			U.S. PATENT	OCUMENTS	
Examiner	Examiner Cite Document Number		Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant
Initials *	No.	Number - Kind Code <sup>2</sup> (Il known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear
NKA		US- 5,161,204	11/1992	Hutcheson et al.	
1		US- 5,273,632	12/1993	Stockham et al.	
		US- 5,374,527	12/1994	Grossman	
		US- 5,759,369	6/1998	Menchen et al.	
		US- 5,470,710	11/1995	Welss et al.	,
		US -5,541,067	7/1998	Perlin	
		US- 5,580,728	12/1996	Perlin	
		US- 5,876,933	3/1999	Perlin	
		US- 8,054,268	4/2000	Perlin	
$\sqrt{I}$		US- 2002/0152035	10/2002	Perlin	
		US- 6,750,011	6/2004	Perlin	
NKA		US- 6,807,490	10/2004	Perlin	

	FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant		
Initials*	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> ( <i>li known</i> )	Date MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	T <sup>6</sup>	

	[				
Examiner Cite No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
NKA		Schwartz et al., *Flourescent Multiplex linkage analysis and carrier detection for Duchenne/Becker Muscular Dystrophy*, Am. J. Human Genetics 51:721-729, 1992			
1		McConkey, E.H., Human Genetics, The Molecular Revolution Jones and Bartlett Publishers, 1993, pp. 92-112.			
		Clayton et al., "Analysis and Interpretation of Mixed Forensic Stains Using DNA STR Profiling", Forensic Science International, Volume 91 pp. 55-70 (1998)			
		Gill et al., Interpreting Simple STR Mixtures using Allele Peak Areas, 1998, Forensic Science International, Volume 91 pp. 41-53			
\/		Evett et al., Taking Account of Peak Areas when Interpreting Mixed DNA Profiles, 1998, Journal of Forensic Sciences, Vol. 43., No. 1, pp. 62-69			
NKA		Perlin et al., Toward Fully Automated Genotyping: Genotyping Microsatellite Markers by Deconvolution, 1995, AMerican Journal of Human Genet., Volume 57, pp. 1199-1210.			

Examiner Signature	/Navneet K Ahluwalia/	Date Considered	07/21/2006